Title (en)

Operational amplifier.

Title (de)

Operationsverstärker.

Title (fr)

Amplificateur opérationnel.

Publication

EP 0651500 A1 19950503 (EN)

Application

EP 94306622 A 19940909

Priority

US 14654393 A 19931101

Abstract (en)

An op-amp comprising a single gain stage amplifier cascaded with a buffer and an output stage. The buffer comprises an amplifier which isolates the gain stage from the output stage to prevent loading of the gain stage and create a more linear op-amp. For frequency compensation, the op-amp utilizes MOSFETs connected in a reversed biased configuration as load compensation capacitors. This technique reduces the non-linear effects of MOSFET gate capacitors utilized in conventional Miller compensation schemes and allows for digital fabrication technology of low distortion, low power supply operational amplifier design. <IMAGE>

IPC 1-7

H03F 1/08

IPC 8 full level

H03F 3/45 (2006.01); **H03F 1/08** (2006.01); **H03F 1/32** (2006.01)

CPC (source: EP US)

H03F 1/086 (2013.01 - EP US)

Citation (search report)

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Designated contracting state (EPC)

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